CUBIT Capability Proposal

Technical Area Geometry, Meshing, Infrastructure, GUI, Graphics, etc.	**Technical Lead** Cubit Developer in charge of technical area
GUI	Randy Morris

MRD Description
Describe the capability in terms of how a user would see it.

The Claro framework would allow multiple components to take over the file menu and application title. When opening a file, the file filter would determine which component would handle the operation similar to the import/export mechanism. When multiple views are open, the title would reflect the active view. The recent file and recent import menus would only contain items relevant to the loaded components.

SRS Description
What needs to be done by Cubit developers to implement this capability? Break the tasks into steps if applicable. (Steps should be on the order of 2 man-weeks or more)

1. Add Claro framework support for multiple file handlers. This includes the new/open/save as well as the application title and icon.
2. Add multiple view management to the Claro framework.
3. Remove cubit specific code from the import/export handlers.

Justification
Describe why this is important and what impact it will have if it is implemented (or not implemented).

The Gto2Acis application needs to use the file menu and graphics window(s). In order to load Gto2Acis as a component with Cubit, the Claro GUI framework needs to be improved. The current framework does not allow multiple components to claim the application title or file menu. The import/export menu items have cubit specific code in them. The recent import menu shows invalid options when cubit is not loaded as well. These items should be improved to make Gto2Acis/Cubit look and behave better.

Resources Who will work on this	**Time estimate** How much time will it take in man-weeks	**Targeted Release** 10.2 (August 06), 10.3 (March 2007), 10.4 (August 2007), Future (beyond FY07)
Mark Richardson	2	10.2

Submitted By:	**Date:**
Mark Richardson	3/21/2006